## AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

## LISTING OF CLAIMS

1. (Currently Amended) A boron aluminosilicate glass comprising at least the following components (in wt.-%):

SiO <sub>2</sub>	40 to 47
$B_2O_3$	0.1 to 6
$Al_2O_3$	0.1 to 4
$P_2O_5$	[[0.]] <u>0.1</u> to 4
Li <sub>2</sub> O	0° to 2
Na <sub>2</sub> O	2 to 7
$K_2O$	>6.5 to 11
MgO	0 to 5
CaO	0[[.]] to 6
BaO	6 to 14
ZnO	20 to 25
La <sub>2</sub> O <sub>3</sub>	0 to 1.5
ZrO <sub>2</sub>	1 to 7.

wherein said glass is free of lead, and

wherein said glass is an optical glass.

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2. (Currently Amended) The boron aluminosilicate glass of claim 1 comprising (in in wt.-%):

${ m SiO_2}$	42 to 47
$B_2O_3$	0.1 to 5
$Al_2O_3$	0.1 to 2
P <sub>2</sub> O <sub>5</sub>	0.5 to 3
Na <sub>2</sub> O	3 to 6
K <sub>2</sub> O	>6.5 to 10
CaO	1 to 5
BaO	6 to 12
ZnO	20 to 25
$Zr\ddot{O}_2$	3 to 7,

up to 1 wt.-% of refining agents.

3. (Withdrawn-Currently Amended) A boron aluminosilicate glass comprising at least the following components (in wt.-%):

$SiO_2$	38 to 45
B₂O₃	0.1 to 6
$Al_2O_3$	0.1 to 4
P <sub>2</sub> O <sub>5</sub>	0.1 to 4
Li <sub>2</sub> O	>2 to 6
Na <sub>2</sub> O	2 to 7
K <sub>2</sub> O	2 to 6.5
MgO	0 to 5
CaO	0.5 to 6.5
BaO	6 to 14.5
ZnO	14 to <20
La <sub>2</sub> O <sub>3</sub>	>1.5 to 5
ŹrO <sub>2</sub>	1 to 7 <u>;</u>

wherein said glass is an optical glass that is free of lead.

4. (Withdrawn) The boron aluminosilicate glass of claim 3, comprising the following components (in wt.-%):

${ m SiO_2}$	38 to 43
$B_2O_3$	0.1 to 5
Al <sub>2</sub> O <sub>3</sub>	0.5 to 3
P <sub>2</sub> O <sub>5</sub>	0.5 to 3
Li <sub>2</sub> O	>2 to 6
Na <sub>2</sub> O	3 to 6
K <sub>2</sub> O	3 to 6.5
CaO	2 to 6.5
BaO	8 to 14.5
ZnO	14 to 19
La <sub>2</sub> O <sub>3</sub>	>1.5 to 3
ZrO <sub>2</sub>	2 to 5,

up to 1 wt.-% of refining agents.

 (Withdrawn-Currently Amended) A boron aluminosilicate glass comprising (in wt.-%):

SiO <sub>2</sub>	35 to 50
B <sub>2</sub> O <sub>3</sub>	0.1 to 7
Al <sub>2</sub> O <sub>3</sub>	0.1 to 7
P <sub>2</sub> O <sub>5</sub>	0.1 to 4
R <sub>2</sub> O	4 to 24
RO	0 to 12
BaO	6 to 14.5
ZnO	14 to 25
La <sub>2</sub> O <sub>3</sub>	0 to 5
ZrO <sub>2</sub>	0 to 10,

wherein R<sub>2</sub>O is an alkali oxide, RO is an alkaline earth oxide apart from BaO, wherein the amount of Li<sub>2</sub>O is 6 wt.-% maximum and wherein the glass, apart from any unintended contaminants, does not contain any GeO<sub>2</sub>, SnO, SnO<sub>2</sub>, Sb<sub>2</sub>O<sub>3</sub>, AgO or any rare earth metals <u>and</u> wherein said glass is an optical glass that is free of lead.

- 6. (Withdrawn) The boron aluminosilicate glass of claim 5 which comprises up to 1 wt.-% of refining agents.
- 7. (Withdrawn) The boron aluminosilicate glass of claim 6, wherein said refining agents comprise at least one component selected from the group formed by Sb<sub>2</sub>O<sub>3</sub>, As<sub>2</sub>O<sub>3</sub>, SnO, NaCl, SO<sub>4</sub><sup>2</sup> and F.

8. (Withdrawn) The boron aluminosilicate glass of claim 5 comprising (in wt.-%):

 $SiO_2$ 35 to 50  $B_2O_3$ 0.1 to 7  $Al_2O_3$ 0.1 to 7  $P_{2}O_{5}$ 0.1 to 4 Li<sub>2</sub>O 0 to 6  $Na_2O$ 2 to 7  $K_2O$ 2 to 11 0 to 5 MgO CaO 0.5 to 6.5 BaO 6 to 14.5 ZnO 14 to 25  $La_2O_3$ 0 to 5  $ZrO_2$ 1 to 10

refining agents in common amounts.

9. (Withdrawn) The boron aluminosilicate glass of claim 7, wherein the portion of RO in the total weight is smaller than the portion of BaO.

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10. (Withdrawn-Currently Amended) The boron aluminosilicate glass of any claim 5, comprising at least the following components (in wt.-%):

SiO <sub>2</sub>	38 to 47
B <sub>2</sub> O <sub>3</sub>	0.1 to 6
Al <sub>2</sub> O <sub>3</sub>	0.1 to 4
P <sub>2</sub> O <sub>5</sub>	0.1 to 4
Li <sub>2</sub> O	0 to 6
Na <sub>2</sub> O	2 to 7
K <sub>2</sub> O	2 to 11
MgO	0 to 5
CaO	0.5 to 6.5
BaO	6 to 14.5
ZnO	14 to 25
La <sub>2</sub> O <sub>3</sub>	0 to 5
ZrO <sub>2</sub>	1 to 7.

- 11. (Withdrawn) The boron aluminosilicate glass of claim 5 having a refractive index  $n_d$  of  $1.54 \le n_d \le 1.62$ .
- 12. (Withdrawn) The boron aluminosilicate glass of claim 5 having an Abbe number of  $48 \le v_d \le 57$ .
  - 13.-18. (Cancelled)

19. (Currently Amended) A boron aluminosilicate glass comprising (in wt.-%):

 $SiO_2$ 35 to 50  $B_2O_3$ 0.1 to 7  $Al_2O_3$ 0.1 to 7  $P_2O_5$ 0.1 to 4  $R_2O$ 4 to 24 RO 0 to 12 BaO 6 to 14.5 ZnO 14 to 25  $La_2O_3$ 0 to 5 ZrO2 0 to 10.

wherein R<sub>2</sub>O is an alkali oxide, RO is an alkaline earth oxide apart from BaO, wherein the amount of Li<sub>2</sub>O is 6 wt.-% maximum,

wherein said glass is free of lead, and

wherein said glass is an optical glass.

- 20. (New) The boron aluminosilicate glass of claim 1, wherein said glass is an optical glass having a refractive index n<sub>d</sub> between 1.54 and 1.62.
- 21. (New) The boron aluminosilicate glass of claim 1, wherein said glass is an optical glass having an Abbe number between 48 and 57.

- 22. (New) The boron aluminosilicate glass of claim 1, wherein said glass is an optical glass having a refractive index n<sub>d</sub> between 1.54 and 1.62 and an Abbe number between 48 and 57.
- 23. (New) The boron aluminosilicate glass of claim 19, wherein said glass is an optical glass having a refractive index  $n_d$  between 1.54 and 1.62.
- 24. (New) The boron aluminosilicate glass of claim 19, wherein said glass is an optical glass having an Abbe number between 48 and 57.
- 25. (New) The boron aluminosilicate glass of claim 19, wherein said glass is an optical glass having a refractive index n<sub>d</sub> between 1.54 and 1.62 and an Abbe number between 48 and 57.
- 26. (New) The boron aluminosilicate glass of claim 25, wherein said glass comprises 4 to 12 wt.-% of K<sub>2</sub>O.
- 27. (New) The boron aluminosilicate glass of claim 19, wherein said glass comprises 4 to 12 wt.-% of  $K_2O$ .